Kamogelo Ellen Kganakga

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· *Citizenship* : *SouthAfrica*

Education

2023 - 2024	**ALX**
	Software Engineer Graduate
	Average: 96.78%.

Industry experience

June 2023 — **Fallible (Ux/Ui Designer)**
Led the end-to-end UI/UX design for an international client's iOS application, encompassing research, wireframing, design, and prototyping. Delivered a user-centric design that effectively communicated the client's brand over a 3-month period.

May 2024 — **Fallible (Web Developer)**
Designed landing page using Figma and developed using Nextjs

Projects

Sept 2024 — **ALX (Project Management API)**
Developed a comprehensive API using **Python** and MongoDB, integrating secure user authentication with password hashing and token-based login. Designed and implemented endpoints for managing projects, milestones, and tasks, ensuring full support for CRUD operations. Utilized Pydantic for robust data validation, enhancing the reliability and security of the API.

May 2024 — **ALX (2D Maze Game)** – City, State
Engineered a 2D maze game using **C** and the SDL2 library, incorporating ray casting techniques to render the maze map. Developed a scalable solution for rendering and interacting with game elements, demonstrating strong problem-solving skills in a complex environment.